Oregon people who visited the exceeding 14 per cent. a result.

of standing timber, according to instrument Rocky Mountains put together.

more generally in that district.

the value of 49,041,000.

if this were done.

Corvallis will have a connection with the Oregon Electric Railway by April, according to present plans. A branch will be built from the main line, crossing on a new county bridge to be built fruit processess and other product a new county bridge to be built fruit processess and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the county bridge to be built fruit processes and other product of the cou

1200 trees south.

son's administration. Since that time numerous bulletins and other papers have appeared which have and proper use of agricultural by all dealer. described the apparatus, noted products is assured. very important modifications and reported the results of investiga- MEN RESCUED AFTER SIX DAYS IN WELL tions. As this has progressed, the apparatus as originally devised has been greatly simplified and made easier of operation, long entombment without food and so developed that more factors can be developed than was bad hurts. They are both quite the case at first.

tion of man and animal, the val- experienced when relief reached ue of different foods as sources them. of energy for muscular work. It was a most fortunate rescue and other similar questions. It as had it not come just at the has recently been adapted to the time there is little doubt but study of fruit-ripening and what both men would have perother problems of vegetable ished and there would always physiology, and is equally useful have been more or less mystery for the study of a great variety as to how they met their death. of other problems, as for instancs, questions of ventilation of houses FOOD FOR THE MIND NEEDED ON FARM

and farm buildings. The experiments with the respiration calorimeter have furnished now facts and figures of great importance to students regarding the processes of respiration They often have duplicate copies and accurate information regarding the energy which man needs to run his body machine and the effects upon his energy requirements of sleeping and waking, rest and work, and other factors. It is now possible to discuss such questions on the basis of accurate Tablets in the paper that fit his measurements and this was not of the energy which man expends garet Campbell of Ft. Smith, Ark. to digest and assimulate his food

has also been studied.

ATEST DEVELOPMENT LEAGUE NOTES respiration calorimeter experi- New Land Law Code Needed NOTICE FOR PUBLICATION. ments is that the law of conservation of energy holds in the Probably the most interesting animal body. Such a conclusion vision of the land laws, not only feature of the Oregon Irrigation is at the basis of many important for the purpose of carrying out Congress, to be held here January deductions regarding rations and the policy of conservation, but 9-11, will be a session given up diets and the use which man to provide means by which sev-

structive and show just what is machine. It is important to know Charles G. Yale before the Calineeded to aid irrigation in Ore- its efficiency as compared with fornia Miners' Association. Coal There will be also, addresses and discussions by well known authorities on the various phases of irrigation that will be well worth hearing. The three days session will conclude with a banguet.

with the respiration calorimeter shows this to be 20 per cent, that is, 5 units of energy must be supplied by the food to provide one plied by the food to provide one unit of work. In this respect man compares favorably with the best steam engine, their efficiency it is safe to say, not done the shows this to be 20 per cent, that is, 5 units of energy must be supplied by the food to provide one of irrigation that will be well unit of work. In this respect man compares favorably with the best steam engine, their efficiency it is safe to say, not done the shows this to be 20 per cent, that is, 5 units of energy must be supplied to the leaves the cancellation of your homestand have been entirely withdrawn from sale awaiting legislation for its disposal. Water powers the same of the same of the shows this to be 20 per cent, that is, 5 units of energy must be supplied to the leaves which all coal land was formerly which all coal land was formerly sold, but oil, gas, and phosphate land have been entirely withdrawn from sale awaiting legislation of your homestand have been entirely withdrawn from sale awaiting legislation of the contest time for its disposal. Water powers with the respiration calorimeter walues considerably above the minimum price fixed by law at which all coal land was formerly sold, but oil, gas, and phosphate land have been entirely withdrawn from sale awaiting legislation of your homestand have been entirely withdrawn from sale awaiting legislation of your homestand have been entirely withdrawn from sale awaiting legislation of your homestand have been entirely withdrawn from sale awaiting legislation of your homestand have been entirely withdrawn from sale awaiting legislation to sale awaiti

Chicago advise that this state must be expended for mental allow of large investments. Unmake a stronger showing than work as well as for muscular less mineral is exposed on the ever next year. They say many work is a question of interest. surface, a prospector has no sepeople were attracted to the op- Judged by the results of a long curity against the jumper while portunities here by the exhibit series of experiments with the making exploration preliminary of Oregon and next year will see respiration calorimeter, severe to location, says the Oregonian. many new comers in the state as mental work does not make de- The present administratoin of mands for physical energy, at the land laws is therefore a make-Oregon is preeminent among least in amounts that were mea-shift. Phosphate, oil and gas the states in the value and amount surable even with so accurte an development is entirely suspend-

Vacant lots in cities and towns make the right use of our avail- not in place. New laws are needshould be used to grow poultry, able food supply, dietary stand- ed governing all classes of public according to Secretary Minton of ards are needed and those pro- land, for the present laws are a the Oregon Poultry Association. posed by the Department of direct incitement to fraud. the Oregon Poultry Association.

He says egg and poultry production.

Agriculture have had wide use.

A large proportion of mining other reason, to the disposal to applicant.

A large proportion of mining other reason, to the disposal to applicant, should file their affidavita of protest in this office, on or before the add say of Jasuary, 1913.

The proof of the accuracy, with litigation could be prevented by tion would be increased 25 per The proof of the accuracy, with litigation could be prevented by tary standard, has been obtained extra-lateral rights to holders of

ration calorimeter. As usual, Oregon Christmas the study of man's food and the have come underground war and Nat Henney all of Burns, Oregon.

As usual, Oregon Christmas the study of man's food and the have come underground war and Nat Henney all of Burns, Oregon. trees lent holiday cheer to Cali- way to use it, has opened up a endless lawsuits. British Columfornians. One steamer carried new line of work. With the ap- bia has disposed of this difficulty The Respiration Calorimeter. piration calorimeter for experi- 50 acres, the boundaries of which One of the most efficient is in a position to continue its inmechanical aids to the investiga- vestigations of technical and tor of the changes which take practical problems and to accumplace when a chemical substance ulate very useful and valuable or a plant or an animal is ob- information. The first stages in a ed a severe cold which settled on served under controlled conditions is the respirations calorimeter of the Department of Agrand meters of the Department of Agrand meters of the Department of Agrand forth and the strategies in a caused metal of annoyance. I would have been passed, the apparatus and methods have been perfected, were so sore and inflamed I beand facts of great value have gan to be seriously alarmed. A The first report of experiments been secured. New fields of friend recommended Chamber-Sumpter Valley with the respiration calorimeter usefullness are being entered lain's Cough Remedy, saying she had used it for years. I bought upon, and the outlook for rapid was published in 1897, during upon, and the outlook for rapid a bottle and it relieved my cough the first year of Secretary Wilson's administration. Since that of great importance to all who was rid of the cold and soreness

(Concluded From First Page)

or water and both suffering from rugged men and it was fortunate The respiration calorimeter that they were otherwise no doubt both would have seccumbed for the study of problems concerned with the food and nutrition of man and animal, the value of man and animal, the value of the case at first. They were otherwise no doubt both would have seccumbed that they were otherwise no doubt both would have seccumbed the study of problems concerned with the food and nutrition of man and animal, the value of the study of problems concerned when relief reached that they were otherwise no doubt both would have seccumbed the study corrobarrated application to some the study corrobarrated application of your Homestead, Entry No 0647, made April 19th, 1916, for Lots Nos. 1, 2, 3 and 4, of Rection 30, Town skip at South. Range 26 Rest, Willamette Merition of man and animal, the value of the study of the study of problems contested that they were otherwise no dress that the study of problems contest and secure the encolation of your Homestead, Entry No 0647, made April 19th, 1916, file in this office bis duly corrobarrated application to some state and secure the encolation of your Homestead, Entry No 0647, made April 19th, 1916, file in this office bis duly corrobarrated application to some state and secure the encolation of your Homestead, Entry No 0647, made April 19th, 1916, file in this office bis duly corrobarrated application to some state and secure the encolation of your Homestead, Entry No 0647, made April 19th, 1916, file in this office has a secure the encolation of your Homestead, Entry No 0647, made April 19th, 1916, file in this office has a secure the encolation of your Homestead, Entry No 0647, made April 19th, 1916, file in this office has a secure the encolation of your Homestead, Entry No 0647, made April 19th, 1916, file in this office. The respiration calorimeter that they were otherwise no

"When father was sick about six years ago he read an adver- NOTICE FOR PUBLICATION tisement of Chamberlain's case exactly," writes Miss Mar-"He purchased a box of them and he has not been sick since. A deduction of great theoretiand was also benefited by them."

My sister had stomach trouble Claiman names a witnesses witne

The necessity of a general reto the actual experiences of the makes of his food and farm ani- eral classes of land can be lawfarmers on irrigated lands. This mals make of feeding stuffs. fully acquired, is made apparent series of talks will be highly in- The human body is a complex by a paper read by Professor other machines. Experiments land is being sold at appraised with the respiration calorimeter values considerably above the der revacable permits, which land shows at Minneapolis and Whether or not physical energy are too insecure a basis of title to

ed. Before withdrawal such land the report of the State Board of It is natural that an apparatus could be acquired only under the Forestry. Not only that, but it of this character should be used placer mining law, which is not has one-fifth of all the standing in the study of technical ques- applicable to deposits hidden deep timber in the United States and tions which cannot be approached underground and which can be pate of first public Oregon now stands fourth in the by simpler means, and in part discovered only by costly work. annual cut of lumber. Oregon the results refered to above are Secretary Fisher recommends the has approximately as much timber as all the states east of the ness of the respiration calorime- ploratory work, giving the holdter is not limited to such matters er exclusive possession so long as and it has been of great value he continues work. Lack of laws Goldendale Washingtou, has in studying questions of every governing the acquisition of mincarried out a good idea. This day interests pertaining to food eral springs, watea-power sites was the celebration of "Alfalfa and the use man makes of it. It and watering places in the deserts Day" this week, when this valuable plant was discussed by ex- and related work that we are mining law. This law has been perts from every stand point, as able to discuss such matters to- used to acquire water-holes which a result, alfalfa will be grown day with reasonable certainty. control vast arers of range, pow-The feeding standards is some- er sites where there is no mineral, The director of the census is thing which the farmer of today townsites in National forests, NOTICE FOR PUBLICATION. preparing to issue complete fig- realizes is necessary for success. Summer resorts, in fact land for ures of agricultural production of and a progressive farmer bases almost any purpose. It should this state for 1909. He finds his practice on the feeding stand- be so amended as to apply only that Oregon produced crops in ards which experimenters have to land bearing mineral which provided for him. If we are to shows on or near the surface and

> respect to energy, of these die- repeal of the provision granting from experiments with the respi- lode claims. This procision is based on a theory long since exblems of vegetable life and for cropping on the surface. Hence paratus which has been built for by granting to each miner all the NOTICE FOR PUBLICATION. this purpose and the larger res- mineral within a square tract of ments with man, the Department are extended vertically into the

> > California Woman Seriously Alarmed "A short time ago, I contract-

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NOTICE OF CONTEST. experienced when relief reached them.

It was a most fortunate rescue as had it not come just at the time there is little doubt but what both men would have perished and there would always have been more or less mystery as to how they met their death.

FOOD FOR THE MIND NEEDED ON FARM

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Concluded from first page.)

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Concluded from first page.)

Fit His Case Exactly

When father was sick about

It was a most fortunate rescue the construction of a small each intercent, and that he said selection of a small each intercent, and that he has windly absorbed hat the said allegations will be taken by this office as having been confessed by 500, and your entry will be canceled therein, either before their offer or on appeal, if you fail to file in this office or on appeal, if you fail to file in this office or on appeal, if you fail to file in this office or on appeal, if you fail to file in this office or on appeal, if you fail to file in this office or on appeal, if you fail to file in this office or on appeal, if you fail within that time to file in this office or on appeal, if you fail within that time to file in this office or on appeal, if you fail within that time to file in this office or on appeal, if you fail within that time to file in this office or on appeal, if you fail within that time to file in this office or on appeal, if you fail to file in this office or on appeal, if you fail to file in this office or on appeal, if you fail to file in this office or on appeal, if you fail to file in this office or on appeal, if you fail to file in this office or on appeal, if you fail to file in this office or on appeal, if you fail to file in this office or on appeal, if you fail to file in this office or on appeal, if you fail to file in this office or on appeal, if you fail to file in this office within the time to file in this office or on appeal to the control of a such aspeal to the tool of the appeal of the tool of the appeal of the tool of the person t

United Tayes Land Oysics,
Burns, Oregon, December 4, 1912
Otice is hereby given that Mary E. Thurman,
nerly Mary E. Lucas, of Harriman, Oregon,
on March 6, 190, made Homestead Entry
2027 Serial No. 01984, for [W]; 821, 8W6,
Seth, NW1, Section 5, Township & South
ge 55, E. Willamette Meridian, has glast Proof, to establish claim to the land above de-scribed, before the Register and Receiver, at Buras, Oregon, on the link day of January, 1913

UNITED STATES LAND OFFICE,

WM. FARRE, Register,

CONTEST NOTICE. University States Land Office | Burns, Oregon, December 8, 1912.

Raphael O Bell, of Burns, Oregon, Con

NOTICE FOR PUBLICATION

UNITED STATES LAND OFFICE, Notice is hereby given that Oscar Newell, of rowsey. Gregon, who, on November 23, 1999, ade Homestead Entry No. 6899, for Wig 1834, e. 1 and NigN Ed. Section 12 Township 19 8, suge 23% E. Willamette Meridian, has fleed directly intention to make final three-year coof to establish claim to the land shows de-ribed, before E. L. Besche, U. S. Commission-at his office, at Drewsey. Oregon, on the th day of December, 1912. h day of December, 1912. Saiment names as witnesses: James A. Anderson, Samuel Williams, Williams

1379 Burns to Ust No. 06306

Native is hereby given that the Northern Fa-le Railway Company, whose post office ed-cas is St. Paul, Minocaire, has this 4th day November, 1912, filed in this office is appell

NOTICE FOR PUBLICATION. UNITED STATES LAND OFFICE, I

Wu. FARRE. Register.

CNITED STATES LAND OFFICE

laiment names as witnesses ugustus W. Suriburt of Narrows, Oregon, illam G. Bardwell, John C. Alexander, Wf McKenzie, all of Suriss, Oregon WM. PARRE, Register

Railway Co.

TIME TABLE NO. 6 IN FFECT JUNE 14, 1908,

West Bound.				East Bound.	
No 1	Рани-	a. m.	No.	2 Pas	s p. m-
9:0 1		Bake	City		Ar 5: 0
9:5		South	Baker		Lv 5:25
9:58	te:	*Salis	buryt		" 5:00
10:04	16.	*Lock	hartt		" 4:55
10:07		*Thom	pront		* 4:52
10:17	" #Sto	ddard J	unctio	nt	** 4:45
10:22		Water	Tankt		" 4:40
10 :2		Dean's	Spurl		" 4: 2
10:9	16	McEw	ent		** 4:25
10:55		JUNCT	MONT		" 4:10
11:10	ii	Sump	ter		" 4:05
11:15		JUNC	TON+	anci.	:50
11:40		Samu	ritt		** :0
NOON					
12:00	1 9	OLC	1qm		**:05
P. M.					
14 /5	44	Whitne	y‡		00
12:40		TIPTO	N+		" 2:40
1:10		Austin	i:		" 2:10
		gnals or			

trains are scheduled to make regula stops. Passengers must purchase tick-ets where agents evist before entering trains or 25 cents in ddition to the re-gular fare will be charged. JOSEPH A. WEST, Supt.

GRANT GEDDES, Aust. Supt.



HARNEY LODGE, NO. 77, I. O U F.

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W. T. Lester, Clerk.

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SYLVIA REBEKAH DEGREE No. 43. Meets every lat and lid Wednesday, Byrdle Dalton, N. G. Madge Leonard, Rec. Sec'v.

TULE CIRCLE No. 165, W. of W. Meets every fourth Tuesday.

Maud Horton, G. M. lester Goodman, Clerk.

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COURTY-HARNEY: County Judge Clerk E. B. Waters reasurer urveyor. heriff.

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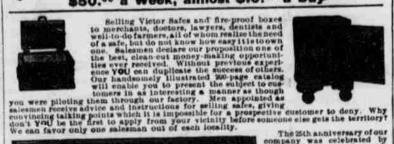
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